

# New York's Regional Greenhouse Gas Initiative Operating Plan Amendment for 2018

## Background

In New York, responsibility for implementing the Regional Greenhouse Gas Initiative (RGGI) is shared by the Department of Environmental Conservation (DEC) and the New York State Energy Research and Development Authority (NYSERDA). DEC and NYSERDA program responsibilities are contained in coordinated regulations:

- DEC established New York's CO<sub>2</sub> Budget Trading Program and the State's share of the total regional cap through a rule (6 NYCRR Part 242) and revisions to an existing rule (6 NYCRR Part 200, General Provisions). Part 242 establishes the cap-and-trade provisions, as well as program compliance responsibilities and other program aspects.
- NYSERDA set up the CO<sub>2</sub> Allowance Auction Program through regulations (21 NYCRR Part 507). Part 507 establishes administrative procedures for the auction process and provides that proceeds from the sale of the allowances will fund projects and programs for "energy efficiency, renewable or non-carbon emitting technologies, and innovative carbon emissions abatement technologies with significant carbon reduction potential, and for reasonable administrative costs incurred by the Authority."

The NYSERDA regulations include a provision to annually convene a group of stakeholders representing a broad array of energy and environmental interests. This group advises NYSERDA regarding strategies to best utilize RGGI funds. NYSERDA's RGGI Operating Plan is reviewed and revised on an annual basis. NYSERDA holds an open meeting of the stakeholder group each year, inviting input on how to achieve greater scale of implementation, expand private investments and partnerships and address barriers to program success.

The Draft 2017 Operating Plan Amendment was presented to stakeholders for comment in December 2016, and was approved by NYSERDA's Board in January 2017. The 2017 Operating Plan was then compiled based on the NYSERDA Board approval and posted to NYSERDA's website. Subsequently, NYSERDA revised its revenue projections for 2017 in light of recent auction allowance prices and progress in the RGGI Program Review, and also made adjustments to certain program funding allocations originally approved in the January 2017 Plan. Appendix 1 provides an analysis of the revenues and program funding allocations planned for the fiscal years ending March 31, 2017 and 2018 as compared to actual/projected results.

This document represents the proposed 2018 Operating Plan Amendment, and provides program descriptions and funding levels for the April 2018-March 2021 timeframe. It is anticipated that a final draft of this 2018 Amendment will be considered by the NYSERDA Board at its January 2018 meeting.

## Review of Programs and Budgets for the 2017 Operating Plan

New York State invests RGGI proceeds to support comprehensive strategies that best achieve the RGGI greenhouse gas emission reduction goals, through energy efficiency, renewable energy, and carbon abatement strategies, pursuant to 21 NYCRR Part 507. The programs described below represent a portfolio of initiatives that support the pursuit of the State's greenhouse gas emissions reduction goals by:

- Deploying commercially available energy efficiency and renewable energy technologies;
- Building the State's capacity for long-term carbon reduction;
- Empowering New York communities to reduce carbon pollution, and transition to cleaner energy;
- Stimulating entrepreneurship and growth of clean energy and carbon abatement companies in New York; and

- Creating innovative financing to increase adoption of clean energy and carbon abatement in the State.

The initiatives described below represent a continuation of a program activity in the 2017 Operating Plan or an evolution of current programs that are designed to take advantage of important new opportunities. The funding level for each program previously approved and the amounts planned for FY18-19 through FY20-21 are reflected in Table 1 below.

The funding allocation values represented in Table 1 provide an estimate of when funds will be assigned to each program. These figures do not reflect when funds will be spent or when contracts will be signed. The table also reflects cumulative funding allocations for FY17-18, and the forecasted allocations for FY18-19 through FY20-21.

Multi-year programs that have remaining funds available for program expenditures, but are not receiving additional funding under this Plan Amendment, are not described below. Those programs will continue on their planned expenditure of their previously allocated funding as outlined in the 2017 RGGI Operating Plan. For more information on the status of these programs see Table 3.

For all RGGI-funded activities, NYSERDA will provide timely progress reports utilizing best practice protocols for project tracking and evaluation.

## **Program Descriptions**

### **Green Jobs-Green New York**

The Green Jobs – Green New York (GJGNY) Program, created under the Green Jobs-Green New York Act of 2009, provides New Yorkers with access to energy assessments, installation services, low interest financing, and pathways to training for various green-collar careers. The GJGNY program was originally funded with \$112 million of RGGI funds, of which \$26 million was allocated to a residential revolving loan fund to provide low interest financing for residential energy efficiency improvements, residential solar photovoltaic (PV) systems (effective April 2014), solar thermal systems, and high efficiency pellet stove heating systems (through the Renewable Heat NY program). Interest rate changes reviewed with the GJGNY Advisory Council and effectuated in September 2016 are resulting in a reduced level of RGGI funds required to support the financing and refinancing of GJGNY loans and ensuring that RGGI funds are directed towards providing GJGNY loans to lower-to-moderate income consumers and consumers who may lack access to traditional financing sources. For FY18-19 through FY20-21, NYSERDA proposes to transfer an additional \$63 million to the revolving loan fund based on current annual loan origination levels.

The revolving loan funds are used to fund program loans until they are financed with the proceeds of bonds and notes. Energy efficiency “Tier 1” loans (using traditional loan underwriting standards) are financed through financing assistance through the New York State Environmental Facilities Corporation (EFC) Clean Water State Revolving Fund program. Tier 1 PV loans are financed through bonds issued under a current credit facility provided through M&T Bank. However, due to the program loan interest rates currently offered, in order to meet bond debt service coverage requirements, the bond proceeds are less than the principal amount of loans issued, requiring additional funds to be added to fund the depletion of the revolving loan fund. Other “Tier 2” energy efficiency and PV loans issued (using slightly more flexible loan underwriting criteria serving consumers not likely eligible to access traditional financing) are funded from the revolving loan fund and must be held for a period of time until their performance allows them to

be financed. NYSERDA has had preliminary discussions with the EFC about the inclusion of loans, which meet agreed upon criteria, in bonds to be issued in 2018.

### **Transfer to State – Clean Energy Tax Credits**

The New York State Budget for fiscal year 2017-18 directed NYSERDA to transfer \$23 million in RGGI funds to the State General Fund to support clean energy tax credits. For the purpose of developing this proposed Operating Plan Amendment, NYSERDA assumes that the annual State Budget for FY18-19 through FY20-21 will include similar directives, and has therefore allocated \$69 million in funding for such transfers for FY18-19 through FY20-21.

### **Electric Generation Facility Cessation Mitigation Program**

The Electric Generation Facility Cessation Mitigation Program was enacted at the end of the 2015 New York State Legislative Session, and is designed to support the economic transition of communities reliant on power plants as a source of financial support. The Program is administered by the New York Empire State Development Corporation (“ESDC”) and received an initial funding level of \$30 million provided by NYSERDA as directed in the FY16-17 State Budget. Pursuant to the FY17-18 State Budget, up to \$15 million in additional funding will be made available to the program beginning in FY20-21.

The Program is designed to provide grants to eligible municipal corporations and school districts that realize at least a 20 percent reduction in property tax collections or receipts from payments in lieu of taxes (“PILOTs”) caused by the cessation of, or a judicial determination concerning the tax liability and/or PILOTs owed by, a fossil fuel electric generation facility. This Program will mitigate the financial impact to municipal corporations but are not intended to fully restore lost tax revenues, with approved grants possible for up to seven years with no more than 80 percent of any documented loss awarded in the first year. The Program commenced with the enactment of its authorizing legislation on June 25, 2015, and will end on July 1, 2025, or such earlier date as funding is expended. ESDC will accept and review program applications continuously through the program, and applications will be considered on a first come, first served basis.

### **Clean Energy Fund**

Reforming the Energy Vision (REV) is the State’s comprehensive energy strategy aimed at building a next generation energy system that is clean, more resilient, and affordable for all New Yorkers. As approved by the NYS Public Service Commission (PSC), the Clean Energy Fund (CEF) serves as one of the essential pillars of REV. To deliver on its primary goals to reduce greenhouse gas emissions, increase renewable energy generation, increase energy efficiency, and attract greater private investment in clean energy, the CEF investment portfolios are designed to achieve scale in clean energy markets. These key CEF objectives dovetail with the RGGI investment parameters, creating a unique opportunity to leverage CEF and RGGI funds to help achieve overall REV objectives.

Historically, RGGI funds have been implemented alongside certain existing energy efficiency programs (e.g., Home Performance with Energy Star, Empower NY, and Multifamily Performance Program), to allow customers in those sectors to address energy efficiency opportunities as they exist in their homes or buildings, capturing opportunities for on-site electric, natural gas or petroleum fuel efficiency. By integrating RGGI funds with ratepayer-supported programs, the energy efficiency industry has been able to develop business models and service packages that offer

consumers ‘whole building’ services, often capturing the highest-value energy savings and greenhouse gas emission reduction opportunities and allows the CEF to be administered on a “fuel neutral” basis.

NYSERDA originally anticipated contributing \$250 million in RGGI funds to CEF programs over 10 years. This contribution was anticipated to partially fund the \$3.42 billion 10-year Market Development and Innovation and Research activities. Both recent reductions in RGGI revenues, and an effort to present a three-year balanced budget Operating Plan on a commitment basis, result in the proposal to reduce the RGGI funds transfer to the CEF over the 3-year period from \$75 million to \$6.7 million, which will result in a reduction of \$68.3 million (about 2%) in the \$3.42 billion in funding for CEF Market Development and Innovation and Research. NYSERDA anticipates that this reduction will not negatively impact NYSERDA’s ability to achieve the 10-year goals established by the Public Service Commission in the CEF Order. If additional RGGI revenues or other funds materialize during the 3-year Plan period or subsequently, NYSERDA may restore some or all of this reduction.

## **Energy Efficiency**

### LIPA Efficiency Services

These funds enhance the portfolio of clean energy activities for energy consumers on Long Island, as approved by the Long Island Power Authority (LIPA) and administered by PSEG-Long Island. Funding and reporting requirements are established through a Memorandum of Understanding between NYSERDA and LIPA, which ensure that RGGI funds meet the requirements on the RGGI regulations that funds are used to support energy efficiency and clean energy activities. NYSERDA provided a 3-year funding support to LIPA for \$34.6 million annually through calendar year 2018. For the purpose of developing this proposed Operating Plan Amendment, NYSERDA assumes funding support of \$25 million in 2019 and 2020 for LIPA’s clean energy activities.

### Home Performance with Energy Star

To maintain statewide access to fuel neutral, whole buildings energy efficiency opportunities, these funds will maintain support for customers of municipal utilities (which cannot be funded through the CEF) to access Home Performance with ENERGY STAR® (HPwES) as a comprehensive energy efficiency services program for existing one- to-four family homes. RGGI funding will allow HPwES to target customers using oil and propane for space and domestic water heating purposes. The funds will offset part of the cost for consumers to replace inefficient oil and propane heating equipment and other measures that have a direct impact on reducing oil and propane consumption (e.g., insulation, air sealing). The amounts proposed for FY18-19 through FY20-21 are based on current annual incentives offered for municipal utility customers.

### EmPower

Similar to HPwES, funds to support EmPower New York, which provides energy efficiency services for low-income New Yorkers, are targeted to customers of municipal utilities heating with oil, propane, kerosene, wood or coal, but may also be applied to homes heating with natural gas, and which are also targeted to customers of municipal utilities. Measures supported by EmPower include insulation, air sealing, and heating system upgrades. The amounts proposed for FY18-19 through FY20-21 are based on current annual incentives offered for municipal utility customers.

## **Innovative Greenhouse Gas Abatement Strategies**

### ChargeNY

ChargeNY will pursue three main strategies to promote plug-in electric vehicle (PEV) adoption by consumers across New York. First, NYSERDA implemented a rebate program for PEVs in March 2017, accelerating purchases of PEVs by reducing higher upfront costs. Second, NYSERDA will continue to invest in marketing and awareness-building activities to build interest in PEVs among the general public. A focus on building greater public knowledge and awareness of the capabilities of PEVs is essential to spur more private investment in PEV purchases and PEV charging stations. This work may also include other market development activities, such as policy and business model development studies that support new ways for critical stakeholders, such as utilities, local governments, and car dealers, to get involved in the PEV market. Third, NYSERDA will also support the installation of PEV charging stations at workplaces, municipal lots, and multi-family buildings -- location types that have been seen to be effective drivers for PEV adoption based on usage data reported from previous installations. Regions of the State that have seen faster PEV adoption will be identified for additional charging station support, which ensure that investments in infrastructure support areas with the greatest potential for additional PEV drivers. ChargeNY will also initiate the deployment of a network of direct current (DC) fast charge stations across the State.

## **Community Clean Energy and Climate Action**

### NY Prize

NY Prize is a part of a statewide endeavor to modernize New York State's electric grid, spurring innovation and community partnerships with utilities, local governments, and private sector. NY Prize competitively offered support for feasibility studies in Stage 1 and audit-grade engineering design and business planning in Stage 2. Expected to launch during the first part of 2018, Stage 3 will provide funds to support project build-out and post-operational monitoring. CEF funding of \$20 million is available to support Stage 3 awards, and the \$8 million in RGGI funds is planned for potential Stage 3 awards to Long Island-based projects that cannot be funded through CEF funds.

## **Anticipated Future Funding Allocations**

The projected revenues and program funding allocations are presented below in Table 1. Additionally, the table presents program administration and evaluation costs, ongoing RGGI, Inc. costs, State Cost Recovery Fees, and other factors. As noted, program funding allocations exceed revenues through FY17-18, and will continue to exceed revenues, but in declining amounts in FY18-19 and FY19-20, but the 3-year Plan results in cumulative program funding allocations matching projected revenues by the end of the 3-year Plan period.

**Table 1: Revenues and Program Funding Allocations**

Category	Program	Cumulative FY17-18	FY18-19 Budget	FY19-20 Forecast	FY20-21 Forecast
Proceeds	Number of allowances	350,795,050	21,094,177	20,298,765	20,531,664
	Allowance price	\$3.14	\$5.05	\$5.35	\$5.68
	RGGI Auction Proceeds	1,099,822,149	106,586,042	108,655,989	116,577,981
	Interest Earnings	13,338,487	191,000	108,000	87,000
	<b>Total Revenues</b>	<b>1,113,160,636</b>	<b>106,777,042</b>	<b>108,763,989</b>	<b>116,664,981</b>
Renewable Energy	NY SUN NYPA Customer Incentives	20,000,000	-	-	-
	NY SUN Community Solar/K-solar	7,500,000	-	-	-
	NY SUN Long Island incentives	55,000,000	-	-	-
	Renewable Heat NY	10,300,083	-	-	-
	Advanced Renewable Energy	2,856,074	-	-	-
	NYS Generation Attributes Tracking System	789,933	-	-	-
	NYSERDA PV incentives	5,319,821	-	-	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	-	-	-
	LIPA Efficiency and RE	153,650,000	25,950,000	25,000,000	25,000,000
	EmPower NY	27,330,148	200,000	200,000	200,000
	Home Performance with Energy Star	25,145,757	300,000	300,000	300,000
	Multifamily Performance Program	16,591,791	-	-	-
	Multifamily Carbon Emissions Reduction	5,833,021	-	-	-
	Solar Thermal incentive	4,342,677	-	-	-
	Municipal Water/Wastewater	1,245,242	-	-	-
Green Residential Buildings	2,744,601	-	-	-	
Innovative GHG Abatement Strategies	Electric Vehicle/Charge NY	17,000,000	6,500,000	5,000,000	-
	Southern Tier Competition (76 West)	11,000,000	-	-	-
	Brookhaven National Lab- ION Collidor	25,000,000	-	-	-
	Advanced Buildings	1,572,248	-	-	-
	Industrial Innovations	13,043,987	-	-	-
	Climate Research & Analysis	8,735,913	-	-	-
	Competitive GHG Reduction Pilot	1,013,533	-	-	-
	Clean Energy Business Development	8,257,924	-	-	-
	Transportation Research	3,932,086	-	-	-
	PV Manufacturing consortium	8,500,000	-	-	-
Carbon Sequestration	1,000,000	-	-	-	
Community Clean Energy	Cleaner Greener Communities	99,127,115	-	-	-
	Clean Energy Communities	2,800,000	-	-	-
	Climate Smart Communities	7,674,999	-	-	-
	Community Energy Engagement	1,400,000	-	-	-
	Economic Development Growth Extension	5,843,047	-	-	-
	Energy to Lead	3,000,000	-	-	-
	NYPrize Phase3 (Placeholder - Long Island Projects)	-	8,000,000	-	-
Regional Economic Development & GHG Reduction	10,293,230	-	-	-	
Clean Energy Fund	Transfer to Clean Energy Fund	56,250,000	2,228,156	2,228,156	2,228,156
	Transfer to NY Green Bank	52,926,434	-	-	-
Directed	Transfer to State - Env. Tax Credits	87,000,000	23,000,000	23,000,000	23,000,000
	Electric Generation Facility Cessation Mitigation Program	30,000,000	-	-	15,000,000
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-
	Transfer to Green Jobs-Green NY- Additional Funding	91,625,275	19,000,000	19,000,000	19,000,000
	Transfer to Clean Energy Standard	719,424	-	-	-
	NYS Budget Transfer	90,000,000	-	-	-
NYS Temporary Budget Transfer	-	-	-	-	
Administration and Other Non-Program Costs	Program Administration	28,814,566	3,250,000	3,250,000	3,250,000
	Program Evaluation	11,755,429	-	-	-
	Commensurate Benefit/Litigation reserve	21,900,366	-	-	-
	RGGI Inc Startup Costs	1,598,204	-	-	-
	RGGI Inc pro-rata costs	7,374,780	1,000,000	1,000,000	1,000,000
	State Cost Recovery	10,595,055	1,004,934	748,502	825,979
	<b>Total Funding Allocations</b>	<b>1,185,402,764</b>	<b>90,433,090</b>	<b>79,726,658</b>	<b>89,804,135</b>
	Surplus/(Shortfall) of Revenues over Funding Allocations	(72,242,128)	16,343,951	29,037,331	26,860,846
	<b>Cumulative Surplus(Shortfall)</b>	<b>(72,242,128)</b>	<b>(55,898,177)</b>	<b>(26,860,846)</b>	<b>0</b>

**Note:** \*Totals may not sum exactly due to rounding. Fiscal years begin on April 1<sup>st</sup> and end on March 31<sup>st</sup>.

## **Funding Assumptions**

The Operating Plan for FY18-19 through FY20-21 assumes future auction revenues based on 85% of modeling results prepared for the RGGI Program Review by an independent consultant retained by RGGI, Inc. on behalf of RGGI States. The 85% factor is used for Operating Plan budgeting purposes only to provide more conservative future revenue estimates, and is based on the recognition that actual auction allowance prices may ultimately be less than modeled assumptions and projections.

For planning purposes, it is assumed that the average 2018 allowance price will be \$5.05/allowance, the average 2019 allowance price will be \$5.35/allowance, and the average 2020 allowance price will be \$5.68/allowance. These projections result in higher future prices than the most recent auction results at time this Operating Plan was prepared (i.e., December 2017 auction, which cleared at \$3.80). If the future auction results remain at this level rather than the amounts projected in this Plan, there would be a reduction of \$102.8 million in revenue over the three-year period.

In order to maintain funding sufficiency and cash flow to satisfy commitments included in this Plan, if auction allowance prices and revenues are less than the amounts forecasted and in the absence of any offsetting reductions in funding commitments, NYSERDA will further reduce (from the \$68.3 million reduction described above) the RGGI funding contributions originally proposed for the CEF, resulting in a combined reduction of about \$171.1 million (about 5%) in the \$3.42 billion funding authorization for the CEF Market Development and Innovation and Research activities.

The following Table 2 presents a cash flow analysis for previously approved funding allocations and those presented in the 3-year plan, summarizing prior and projected revenues and expenditures, and resulting cash balances.

**Table 2: RGGI Cash Flow**

Category		Cumulative			FY18-19	FY19-20	FY20-21	FY21-22
		3/31/16	FY16-17 Actual	FY17-18 Plan	Budget	Forecast	Forecast	Forecast
Proceeds	Number of allowances	306,281,380	22,604,117	21,909,983	21,094,177	20,298,765	20,531,664	-
	Allowance price	\$3.02	\$3.91	\$3.91	\$5.05	\$5.35	\$5.68	-
	RGGI Auction Proceeds	925,846,573	88,416,562	85,559,014	106,586,042	108,655,989	116,577,981	-
	Interest Earnings	9,335,299	3,612,188	391,000	191,000	108,000	87,000	-
<b>Total Revenues</b>		<b>935,181,872</b>	<b>92,028,750</b>	<b>85,950,014</b>	<b>106,777,042</b>	<b>108,763,989</b>	<b>116,664,981</b>	<b>-</b>
Renewable Energy	NY SUN NYPA Customer Incentives	78,230	765,636	1,400,000	3,400,000	4,900,000	4,800,000	4,656,134
	NY SUN Community Solar/K-solar	208,791	253,349	1,800,000	2,800,000	1,800,000	637,860	-
	NY SUN Long Island incentives	31,023,407	9,534,586	5,000,000	5,000,000	4,442,007	-	-
	Renewable Heat NY	2,326,040	3,316,262	2,000,000	2,000,000	657,781	-	-
	Advanced Renewable Energy	2,826,927	10,771	18,376	-	-	-	-
	NYS Generation Attributes Tracking System	-	54,975	300,000	300,000	134,958	-	-
	NYSERDA PV incentives	5,288,571	31,250	-	-	-	-	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	-	15,000,000	-	-	-	-	-
	LIPA Efficiency and RE	79,800,000	34,600,000	30,600,000	34,600,000	25,000,000	25,000,000	-
	EmPower NY	21,260,632	5,405,297	664,219	200,000	200,000	200,000	-
	Home Performance with Energy Star	19,357,413	3,872,523	1,915,821	300,000	300,000	300,000	-
	Multifamily Performance Program	10,218,725	2,362,440	3,000,000	1,010,626	-	-	-
	Multifamily Carbon Emissions Reduction	5,832,938	83	-	-	-	-	-
	Solar Thermal incentive	3,503,040	577,732	261,905	-	-	-	-
	Municipal Water/Wastewater	1,245,242	-	-	-	-	-	-
	Green Residential Buildings	2,744,601	-	-	-	-	-	-
Innovative GHG Abatement Strategies	Electric Vehicle/Charge NY	-	378,693	8,000,000	8,000,000	6,000,000	3,000,000	3,121,307
	Southern Tier Competition (76 West)	47,572	1,607,557	2,000,000	2,000,000	2,000,000	2,000,000	1,344,871
	Brookhaven National Lab- ION Collidor	-	3,700,000	10,750,000	8,150,000	2,400,000	-	-
	Advanced Buildings	1,075,778	85,071	411,399	-	-	-	-
	Industrial Innovations	6,257,990	2,019,875	2,000,000	2,000,000	766,122	-	-
	Climate Research & Analysis	5,422,631	1,406,922	1,400,000	506,360	-	-	-
	Competitive GHG Reduction Pilot	-	506,767	506,766	-	-	-	-
	Clean Energy Business Development	4,007,787	784,878	1,000,000	1,000,000	1,000,000	465,259	-
	Transportation Research	2,192,860	465,192	750,000	524,034	-	-	-
	PV Manufacturing consortium	8,000,000	480,000	20,000	-	-	-	-
Carbon Sequestration	1,000,000	-	-	-	-	-	-	
Community Clean Energy	Cleaner Greener Communities	18,417,239	11,756,929	15,000,000	20,000,000	15,000,000	15,000,000	3,952,947
	Clean Energy Communities	-	-	933,333	933,333	933,334	-	-
	Climate Smart Communities	4,284,524	151,417	500,000	500,000	500,000	500,000	1,239,058
	Community Energy Engagement	-	-	467,000	467,000	466,000	-	-
	Economic Development Growth Extension	4,671,101	393,155	778,791	-	-	-	-
	Energy to Lead	-	62,184	600,000	900,000	600,000	600,000	237,816
	NYPrize Phase3 (Placeholder - Long Island Projects)	-	-	-	-	2,000,000	3,000,000	3,000,000
Regional Economic Development & GHG Reduction	8,205,038	936,123	1,000,000	152,069	-	-	-	
Clean Energy Fund	Transfer to Clean Energy Fund	6,250,000	25,000,000	25,000,000	2,228,156	2,228,156	2,228,156	-
	Transfer to NY Green Bank	52,926,434	-	-	-	-	-	-
Directed	Transfer to State - Env. Tax Credits	41,000,000	23,000,000	23,000,000	23,000,000	23,000,000	23,000,000	-
	Electric Generation Facility Cessation Mitigation Program	-	30,000,000	-	-	-	15,000,000	-
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-	-	-
	Transfer to Green Jobs-Green NY- Additional Funding	35,935,300	41,689,975	14,000,000	19,000,000	19,000,000	19,000,000	-
	Transfer to Clean Energy Standard	-	719,424	-	-	-	-	-
	NYS Budget Transfer	90,000,000	-	-	-	-	-	-
NYS Temporary Budget Transfer	22,107,427	(1,728,136)	(8,752,000)	(5,877,000)	(2,750,000)	(2,000,000)	(1,000,291)	
Administration and Other Non-Program Costs	Program Administration	19,588,126	4,101,440	3,500,000	3,250,000	3,250,000	3,250,000	1,625,000
	Program Evaluation	3,160,563	760,232	1,500,000	1,500,000	1,500,000	1,500,000	1,834,634
	Commensurate Benefit/Litigation reserve	20,781,889	1,118,477	-	-	-	-	-
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	-	-
	RGGI Inc pro-rata costs	5,134,868	906,910	1,000,000	1,000,000	1,000,000	1,000,000	333,002
	State Cost Recovery	6,807,829	2,796,450	990,776	1,004,934	748,502	612,531	213,448
<b>Total Expenses</b>		<b>666,587,718</b>	<b>228,884,439</b>	<b>153,316,386</b>	<b>139,849,512</b>	<b>117,076,860</b>	<b>119,093,806</b>	<b>20,557,926</b>
Cash Increase/(Decrease)		268,594,154	(136,855,689)	(67,366,372)	(33,072,471)	(8,312,871)	(2,428,825)	(20,557,926)
<b>Cash Balance</b>		<b>268,594,154</b>	<b>131,738,465</b>	<b>64,372,093</b>	<b>31,299,622</b>	<b>22,986,751</b>	<b>20,557,926</b>	<b>0</b>

**Note:** \*Totals may not sum exactly due to rounding. Fiscal years begin on April 1<sup>st</sup> and end on March 31<sup>st</sup>.

## Financial Status

A Financial Status Report as of September 30, 2017 is presented below in Table 3.

**Table 3: RGGI Financial Status Report as of September 30, 2017**

RGGI Status - 9/30/17

Category	Program	Budget	Expended	Encumbered	Contract Preencumbrance	Due Date Solicitation Preencumbrance	Open Enrollment Solicitation Preencumbrance	Total Committed	Not Yet Committed
Renewable Energy	NY SUN NYPA Customer Incentives	20,000,000	1,098,182	3,678,096	-	-	15,223,722	20,000,000	-
	NY SUN Community Solar/K-solar	7,500,000	565,930	116,395	-	-	6,817,675	7,500,000	-
	NY SUN Long Island Incentives	55,000,000	43,000,232	2,298,332	690,122	-	9,011,314	55,000,000	-
	Renewable Heat NY	10,300,083	7,190,707	2,466,445	402,625	30,000	210,307	10,300,083	-
	Advanced Renewable Energy	2,856,074	2,837,698	-	-	-	-	2,837,698	18,376
	NYS Generation Attributes Tracking System	789,933	156,526	633,407	-	-	-	789,933	-
	NYSERDA PV Incentives	5,319,821	5,288,571	31,250	-	-	-	5,319,821	-
Energy Efficiency	Clean Energy Workforce Opportunity Program	15,000,000	15,000,000	-	-	-	-	15,000,000	-
	LIPA Efficiency and RE	153,650,000	127,700,000	25,950,000	-	-	-	153,650,000	-
	EmPower NY	27,330,148	26,951,819	22,329	140,033	55,166	-	27,169,347	160,801
	Home Performance with Energy Star	25,145,757	24,324,178	224,146	341,180	129,981	-	25,019,486	126,271
	Multifamily Performance Program	16,591,791	13,087,763	3,479,098	6,300	-	-	16,573,160	18,631
	Multifamily Carbon Emissions Reduction	5,833,021	5,833,019	2	-	-	-	5,833,021	-
	Solar Thermal Incentive	4,342,677	4,226,947	88,788	-	-	-	4,315,735	26,942
	Municipal Water/Wastewater	1,245,242	1,245,242	-	-	-	-	1,245,242	-
	Green Residential Buildings	2,744,601	2,744,601	-	-	-	-	2,744,601	-
	Brookhaven National Lab-X-ray Beam for Energy Storage	15,000,000	-	15,000,000	-	-	-	15,000,000	-
Innovative GHG Abatement Strategies	Electric Vehicle/Charge NY	17,000,000	1,766,865	436,268	-	-	14,796,867	17,000,000	-
	Southern Tier Competition (76 West)	11,000,000	2,602,010	2,769,105	19,250	-	1,047,135	6,437,500	4,562,500
	Brookhaven National Lab- ION Collider	25,000,000	9,178,458	15,821,542	-	-	-	25,000,000	-
	Advanced Buildings	1,572,248	1,193,832	315,601	-	-	-	1,509,433	62,815
	Industrial Innovations	13,043,987	8,524,393	4,570,194	-	-	-	13,094,587	-
	Climate Research & Analysis	8,735,913	7,409,277	1,041,637	285,000	-	-	8,735,913	-
	Competitive GHG Reduction Pilot	1,013,533	719,267	294,267	-	-	-	1,013,533	-
	Clean Energy Business Development	8,257,924	5,158,640	421,109	2,678,175	-	-	8,257,924	-
	Transportation Research	3,932,086	3,022,804	433,850	475,432	-	-	3,932,086	-
	PV Manufacturing consortium	8,500,000	8,480,000	20,000	-	-	-	8,500,000	-
Carbon Sequestration	1,000,000	1,000,000	-	-	-	-	1,000,000	-	
Community Clean Energy	Cleaner Greener Communities	99,127,115	39,190,041	46,654,185	13,282,889	-	-	99,127,115	-
	Clean Energy Communities	2,800,000	-	-	-	-	2,800,000	2,800,000	-
	Climate Smart Communities	7,674,999	4,435,941	500,000	125,000	-	-	5,060,941	2,614,058
	Community Energy Engagement	1,400,000	-	-	420,000	-	-	420,000	980,000
	Economic Development Growth Extension	5,843,047	5,536,972	239,449	5,500	-	-	5,781,921	61,126
	Energy to Lead	3,000,000	322,275	2,677,725	-	-	-	3,000,000	-
	Regional Economic Development & GHG Reduction	10,293,230	9,279,622	1,010,431	-	-	-	10,290,053	3,177
Clean Energy Fund	Transfer to Clean Energy Fund	56,250,000	56,250,000	-	-	-	-	56,250,000	-
	Transfer to NY Green Bank	52,926,434	52,926,434	-	-	-	-	52,926,434	-
Directed	Transfer to State - Env. Tax Credits	87,000,000	87,000,000	-	-	-	-	87,000,000	-
	Electric Generation Facility Cessation Mitigation Program	30,000,000	30,000,000	-	-	-	-	30,000,000	-
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	112,000,000	-	-	-	-	112,000,000	-
	Transfer to Green Jobs-Green NY- Additional Funding	91,625,275	91,625,275	-	-	-	-	91,625,275	-
	Transfer to Clean Energy Standard	719,424	719,424	-	-	-	-	719,424	-
NYS Budget Transfer	90,000,000	90,000,000	-	-	-	-	90,000,000	-	
Administration and Other Non-Program Costs	Program Administration	30,882,840	26,352,623	48,224	-	-	-	26,400,847	4,481,993
	Program Evaluation	11,755,429	4,178,254	1,477,016	-	-	-	5,655,270	6,100,158
	Commensurate Benefit/Litigation reserve	21,900,366	21,900,366	-	-	-	-	21,900,366	-
	RGGI Inc Startup Costs	1,598,204	1,598,204	-	-	-	-	1,598,204	-
	RGGI Inc pro-rata costs	7,374,779	6,041,778	214,787	1,022,803	-	-	7,279,368	95,412
	State Cost Recovery	10,602,555	10,334,135	-	-	-	-	10,334,135	268,420
		<b>1,202,478,538</b>	<b>979,998,305</b>	<b>132,933,678</b>	<b>19,894,309</b>	<b>215,147</b>	<b>49,907,019</b>	<b>1,182,948,458</b>	<b>19,580,679</b>

### Notes:

\*Totals may not sum exactly due to rounding. Fiscal years begin on April 1<sup>st</sup> and end on March 31<sup>st</sup>.

\*\* On December 4, 2009, New York State enacted numerous deficit reduction measures that included the transfer of \$90 million in RGGI auction proceeds to the General Fund as a deficit reduction measure following the global financial crisis.

\*\*\* The litigation period ended December 31, 2016. This Plan Amendment notes that total paid by NYSERDA is \$21,900,366.

**Appendix 1**  
**January 2017 Operating Plan Revenues and Program Funding Allocations Compared to Actuals/Projections**

Category	Program	Cumulative				FY17-18 Revised	Cumulative FY17-18
		FY15-16	FY16-17 Plan	FY16-17 Actual	FY17-18 Plan		
Proceeds	Number of allowances	306,280,950	22,604,117	22,604,117	21,909,983	21,909,983	350,795,050
	Allowance price	\$3.02	\$4.52	\$3.91	\$7.00	\$3.91	\$3.14
	RGGI Auction Proceeds	925,846,573	102,116,950	88,416,562	153,369,881	85,559,014	1,099,822,149
	Interest Earnings	9,335,299	2,672,236	3,612,188	254,610	391,000	13,338,487
	<b>Total Revenues</b>	<b>935,181,872</b>	<b>104,789,186</b>	<b>92,028,750</b>	<b>153,624,491</b>	<b>85,950,014</b>	<b>1,113,160,636</b>
Renewable Energy	NY SUN NYPA Customer Incentives	20,000,000	-	-	-	-	20,000,000
	NY SUN Community Solar/K-solar	9,500,000	-	-	-	(2,000,000)	7,500,000
	NY SUN Long Island incentives	54,259,999	5,240,000	5,240,000	500,001	(4,499,999)	55,000,000
	Renewable Heat NY	10,800,083	(500,000)	(500,000)	-	-	10,300,083
	Advanced Renewable Energy	2,893,674	(37,600)	(37,600)	-	-	2,856,074
	NYS Generation Attributes Tracking System	1,509,357	-	(719,424)	-	-	789,933
	NYSERDA PV incentives	5,319,821	-	-	-	-	5,319,821
	<b>Total</b>	<b>103,282,634</b>	<b>4,742,399</b>	<b>4,402,400</b>	<b>500,001</b>	<b>(6,500,000)</b>	<b>102,235,434</b>
Energy Efficiency	Clean Energy Workforce Opportunity Program	-	15,000,000	15,000,000	-	-	15,000,000
	LIPA Efficiency and RE	88,450,000	34,600,000	34,600,000	30,600,000	30,600,000	153,650,000
	EmPower NY	25,925,726	1,204,422	1,404,422	-	-	27,330,148
	Home Performance with Energy Star	21,790,154	3,005,603	3,355,603	-	-	25,145,757
	Multifamily Performance Program	21,195,362	(2,830,257)	(2,830,257)	-	(1,773,314)	16,591,791
	Multifamily Carbon Emissions Reduction	6,330,988	(497,967)	(497,967)	-	-	5,833,021
	Solar Thermal incentive	4,634,197	(291,520)	(291,520)	-	-	4,342,677
	Municipal Water/Wastewater	1,245,242	-	-	-	-	1,245,242
	Green Residential Buildings	2,749,726	-	(5,125)	-	-	2,744,601
<b>Total</b>	<b>146,281,515</b>	<b>47,001,745</b>	<b>47,001,745</b>	<b>30,600,000</b>	<b>(1,773,314)</b>	<b>142,509,181</b>	
Innovative GHG Abatement Strategies	Electric Vehicle/Charge NY	7,000,000	3,000,000	3,000,000	7,000,000	7,000,000	17,000,000
	Southern Tier Competition (76 West)	6,187,500	250,000	250,000	4,250,000	4,562,500	11,000,000
	Brookhaven National Lab- ION Collidor	-	25,000,000	25,000,000	-	-	25,000,000
	Advanced Buildings	4,638,574	(3,066,326)	(3,066,326)	-	-	1,572,248
	Industrial Innovations	13,043,987	-	-	-	-	13,043,987
	Climate Research & Analysis	11,623,787	(3,032,630)	(3,032,630)	-	144,756	8,735,913
	Competitive GHG Reduction Pilot	14,500,000	(13,486,467)	(13,486,467)	-	-	1,013,533
	Clean Energy Business Development	12,323,353	(4,065,429)	(4,065,429)	-	-	8,257,924
	Transportation Research	5,375,000	(87,650)	(87,650)	-	(1,355,264)	3,932,086
	PV Manufacturing consortium	8,500,000	-	-	-	-	8,500,000
	Carbon Sequestration	1,000,000	-	-	-	-	1,000,000
<b>Total</b>	<b>89,548,653</b>	<b>22,726,643</b>	<b>22,726,643</b>	<b>11,250,000</b>	<b>(1,210,508)</b>	<b>81,242,778</b>	
Community Clean Energy	Cleaner Greener Communities	106,067,115	(2,900,000)	(6,940,000)	-	-	99,127,115
	Clean Energy Communities	-	-	4,500,000	-	(1,700,000)	2,800,000
	Climate Smart Communities	7,346,999	328,000	328,000	328,000	-	7,674,999
	Community Energy Engagement	-	-	1,400,000	-	-	1,400,000
	Economic Development Growth Extension	8,455,517	(1,212,470)	(2,612,470)	360,000	-	5,843,047
	Energy to Lead	3,000,000	-	-	-	-	3,000,000
	NYPrize Phase3 (Placeholder - Long Island Projects)	-	-	-	-	-	-
	Regional Economic Development & GHG Reduction	10,293,230	-	-	-	-	10,293,230
<b>Total</b>	<b>135,162,861</b>	<b>(2,572,000)</b>	<b>(7,822,470)</b>	<b>360,000</b>	<b>(1,700,000)</b>	<b>124,328,391</b>	
Clean Energy Fund	Transfer to Clean Energy Fund	6,250,000	25,000,000	25,000,000	25,000,000	25,000,000	56,250,000
	Transfer to NY Green Bank	52,926,434	-	-	-	-	52,926,434
Directed	Transfer to State - Env. Tax Credits	41,000,000	23,000,000	23,000,000	23,000,000	23,000,000	87,000,000
	Electric Generation Facility Cessation Mitigation Program	-	30,000,000	30,000,000	-	-	30,000,000
	Transfer to Green Jobs-Green NY- Original Legislation	112,000,000	-	-	-	-	112,000,000
	Transfer to Green Jobs-Green NY- Additional Funding	35,935,300	41,689,975	41,689,975	27,000,000	14,000,000	91,625,275
	Transfer to Clean Energy Standard	-	-	719,424	-	-	719,424
	NYS Budget Transfer	90,000,000	-	-	-	-	90,000,000
	NYS Temporary Budget Transfer	-	-	-	-	-	-
<b>Total</b>	<b>188,935,300</b>	<b>94,689,975</b>	<b>95,409,400</b>	<b>50,000,000</b>	<b>37,000,000</b>	<b>177,724,700</b>	
Administration and Other Non-Program Costs	Program Administration	23,032,840	3,600,000	3,600,000	5,000,000	2,181,726	28,814,566
	Program Evaluation	13,909,052	(2,153,623)	(2,153,623)	-	-	11,755,429
	Commensurate Benefit/Litigation reserve	20,962,310	1,907,867	938,056	-	-	21,900,366
	RGGI Inc Startup Costs	1,598,204	-	-	-	-	1,598,204
	RGGI Inc pro-rata costs	5,613,781	760,999	760,999	1,021,005	1,000,000	7,374,780
	State Cost Recovery	13,813,669	(5,088,186)	(4,209,393)	982,236	990,779	10,595,055
	<b>Total</b>	<b>77,129,666</b>	<b>2,926,057</b>	<b>2,926,057</b>	<b>6,021,236</b>	<b>3,171,726</b>	<b>80,174,741</b>
<b>Total Funding Allocations</b>		<b>913,000,981</b>	<b>174,336,741</b>	<b>175,250,599</b>	<b>125,041,242</b>	<b>97,151,185</b>	<b>1,185,402,764</b>
Surplus/(Shortfall) of Revenues over Funding Allocations		22,180,891	(69,547,555)	(83,221,849)	28,583,249	(11,201,171)	(72,242,128)
<b>Cumulative Surplus/(Shortfall)</b>		<b>22,180,891</b>	<b>(47,366,664)</b>	<b>(61,040,958)</b>	<b>(18,783,415)</b>	<b>(72,242,128)</b>	<b>(72,242,128)</b>